

Polymerization of Acrylamide and Some Other Acrylic
Monomers in the Presence of Precipitants, by
L. M. Novichkova.
RUSSIAN, per, Vysokomol Soedin, Vol 10 E, No 1.
1968, pp 55-57.
ATS RJ-5362

Sci-Chem
June 70

Determination of the Concentration of Crosslinks
in the Structure Formation of Rubbers With
Alkylphenol Formaldehyde Resins, by
L. M. Kurachenko, A. G. Schvarts.
RUSSIAN, per, Vysok Soed, Vol 10B, No 2, 1968,
pp 104-108.
NLL Ref: 5828.4F (M.13049)

Sci/Mat
May 69

381,009

The Mutual Effect of Light Stabilizers and
Heat Stabilizers for Polypropylene, by
Z. B. Chelnokova.
RUSSIAN, per, Vysokomolekul Soedin, Vol 10,
No 2, Ser B, 1968, pp 123-125.
ATS RJ-4908

Sci-Mat
Feb 69

373.733

Synergism of Mixture of Phenols with Phosphorous Acid Esters, by Z. B. Chelnokova.
RUSSIAN, per, Vysok Soed, Vol 10 B, No 2, 1968,
pp 126-128.
NLL Ref:9022.84 (1629)

Sci-Chem
Feb 70

401,488

The Temperature-Time Relationship of the
Strength of Mixtures of Atactic and Isotactic
Polypropylene, by I. S. Lyakhovich.
RUSSIAN, per, Vysokomolekul Soedin, Vol. 10,
No 3, Ser B, 1968, pp 154-157.
ATS RJ-4907

Sci-Mat
Feb 69

373,732

Preparing Mixed Zinc Polyphosphinates, by V. V.
Kershak, S. P. Krukovskiy, V. Ye. Shoina, and
V. G. Danilov.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.
Seriya B., Vol 10, No 3, 1968, pp 160-163.
PTB-S-287

TTD Special 258-68

374,221

Jan 69

The Formation of Low Molecular Weight Hydrocarbons During the Breakdown of Polypropylene Hydroperoxide, by L. A. Tamarenko.
RUSSIAN, per, Vysok Soed, Vol 10 B, 1968,
No 4, pp 287-291.
NLL Ref:9022.84 (1621)

Sci-Chem
Feb 70

401,497

Graft Copolymerization of Styrene and
Synthetic Rubbers, by I. A. Khanukaeva.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 10B, No 6, 1968, pp 418-421.
NTC-71-11536-11I

Feb 72

Application of Pyrolysis Gas Chromatography to the Study of the Kinetics of Cyclisation of Polyisoprene Rubber,
by V. R. Alishoov.

RUSSIAN, per, Vysokomol. Soed., Vol 10B,
No 6, 1968, pp. 432-5.
NLL Ref: 5838.4F (M.13084)

Sci-Chem
July 69

38774722
387422

Invesitgation [redacted] the Chemical Mechanism of
Reactions Between Rubber and Bis-chloro-
aromatic Compounds Leading to Vulcanisation,
by L. A. Murashova.
RUSSIAN, per, Vysok Soed, Vol 10b, No 10,
1968, pp 750-754.
NLL Ref: 5828.4F (M.13131)

Sci-MMM Chem
Sept 69

391,078

Concerning the Influence of the Nature of the
Environment on the Values of Growth Constants and of
Chain Rupture in Radical Acrylamide Polymerizing,
by V. F. Gromov.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 10B,
1968, pp 754-757.
NTC-71-10494-07C

Nov 71

K. A. Makarov

Gas-Liquid Chromatographic Study of Co-Polymerization.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 10B,
1968, pp 757-759.
NTC 72-13534-07C

Nov 72

Synthesis of Phosphorous Homo- and Mixed Aromatic Polyimides, by G. S. Kolesnikov. 5 pp.
RUSSIAN, per, Vysok Soed, Ser B, Vol 10,
No 10, 1968, pp 781-783.
NASA TT F-12,569

Sci-Chem
Nov 69

395,782

Thermal Effects During Deformation of Solid
Polymers, by G. L. Slonimskiy.
RUSSIAN, per, Vysokomol. Soedin. Ser. B., 1968,
Vol 10, No 11, pp 798-799.
FTD HT Special 577-69

dec 69

398,564

Three Dimensional Polyamides Containing
Phosphorus, by E. B. Trostyanskaya.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 10B, No 11, 1968, pp 841-844.
NTC-70-13071-11I

Feb 72

CHUIKOVA, L. F. and others. Structure and properties of
latex films as affected by the pH of the latex.
Vysokomolek. Soedin. 11B(2):123-6 (1969)
(NLL/RTS 5451 12s. 6d.)

Poly(Methyl Methacrylate) Electrets, by
A. N. dubkin.
RUSSIAN, per, Vysokomolokulyarnye Soedineniya,
Vol 11B, 1969, pp 154-157.
NTC-71-10818-07D

Nov 71

Relation Between Molecular Mobility
and the Kinetics of Radical Poly-
merization, by Z. A. Karapetyan.
RUSSIAN, per, Vysokomolekulyarnye
Soedineniya, Vol 11B, No 4, 1969,
pp 252.
NTC 72-11089-07C

May 72

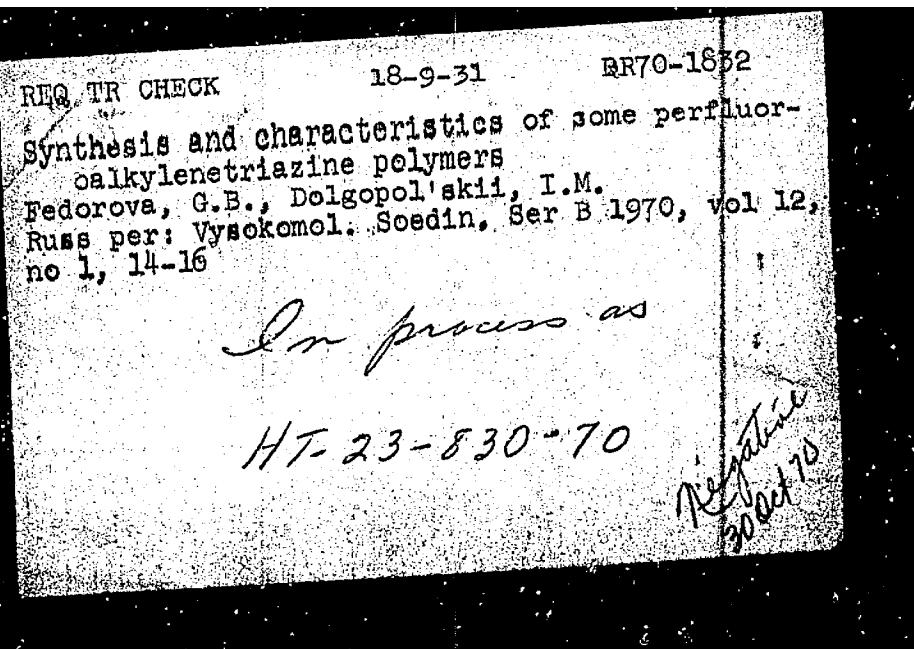
Reactivity of Dianhydrides and Effect of Their
Hydrolysis in the Syntheses of Polyamino Acids,
by S. A. Zakoshchikov. 57th
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 11B, 1969, pp 483-486. N.Y.
NTC 72-14302-07C

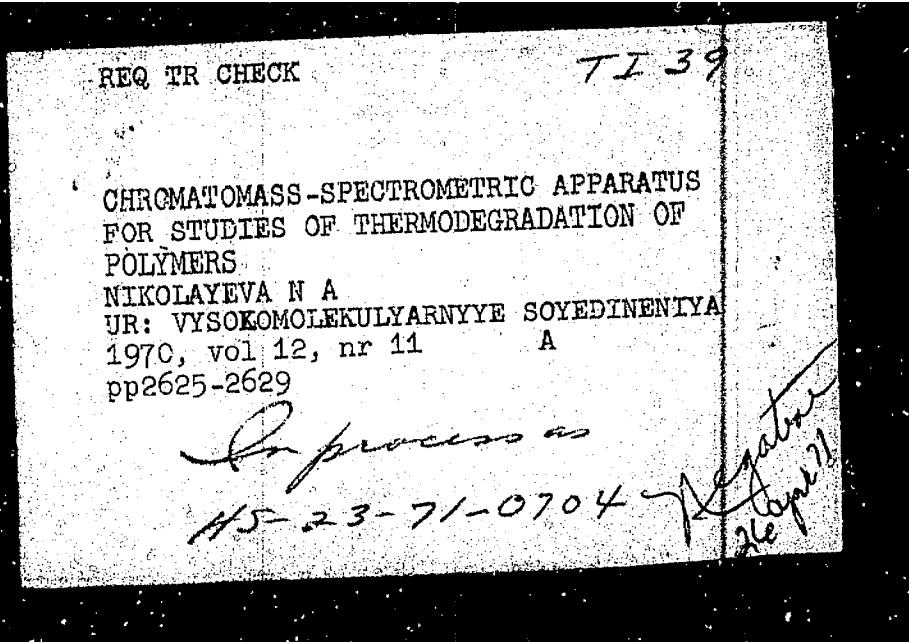
NASA TT F 13, 118

Jan 73

Synthesis of Polymeric Emulsifiers Based on Ethyl-cellulose Graft Copolymers, by R.M. Ivashitz.
RUSSIAN, por., Vysokomolekulyarnye Soedineniya,
Series 3, vol. 11, no. 8, 1969, pp. 520-523.
NFTC 73-11103-III

August 1971





Nature of the Crosslinks in CIS-Polybutadiene Crosslinked With Alkyphenol-disulphide-Formaldehyde Oligomers, by
I. L. Aizinson.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 12B, No 4, 1970, pp 287-290.
NTC-71-11530-11J

Feb 72

Luminescence in Polyurethanes, by
V. K. Belyakov.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 128, No 4, 1970, pp 295-298.
NTC-71-11761-07D

Feb 72

The Use of Diperoxide and Triperoxide Compounds
for the Production of Block Copolymers, by
S. S. Ivanchev.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 12B, 1970, pp 466-468.
NTC-71-12105-11I

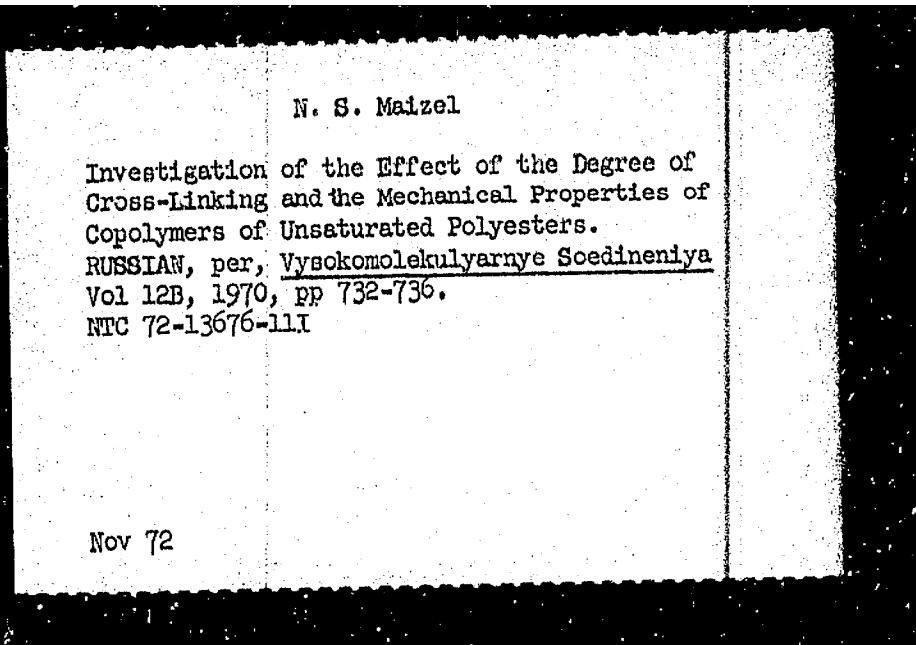
Nov 71

Conversion of Thermo-Oxidation Inhibitors into
Polyconjugated Compounds with Higher Inhibiting
Activity, by A. A. Berlin, et al.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 12B, No 8, 1970, pp 563-564.
NTC 71-14786-07C

Feb 72

The Compatibility of a Butadiene-Styrene Block
Copolymer With Styrene Homopolymer, by M. S. Skutin,
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 12B, 1970, pp 606-609.
NTC-71-12106-11I

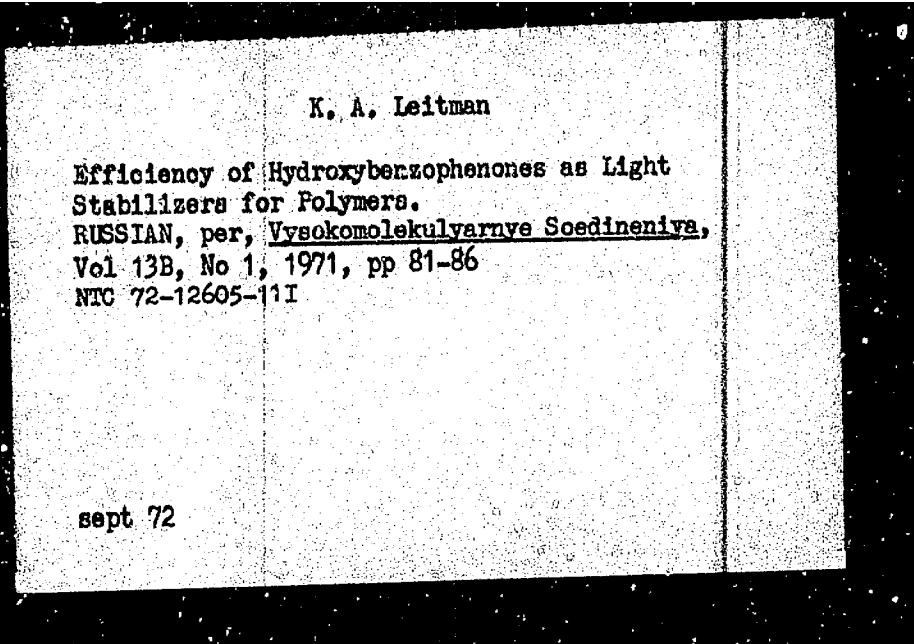
Nov 71

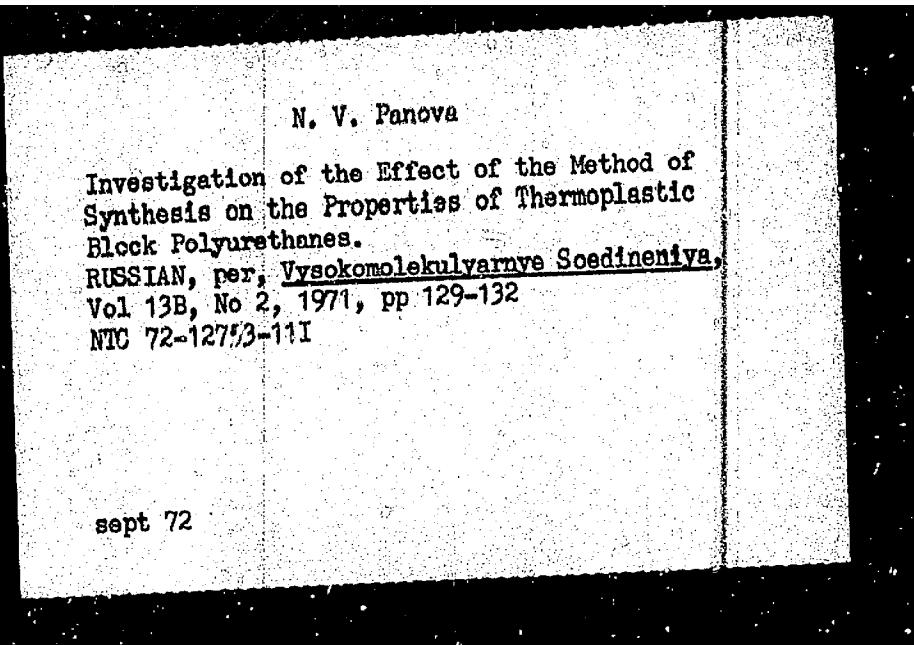


V. I. Kovalenko

Crystallinity of Some Block-Polyester
Urethanes Based on Two Crystallizing
Polymorphous Blocks.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 13B, 1971, pp 12-15
NTC 72-13289-11I

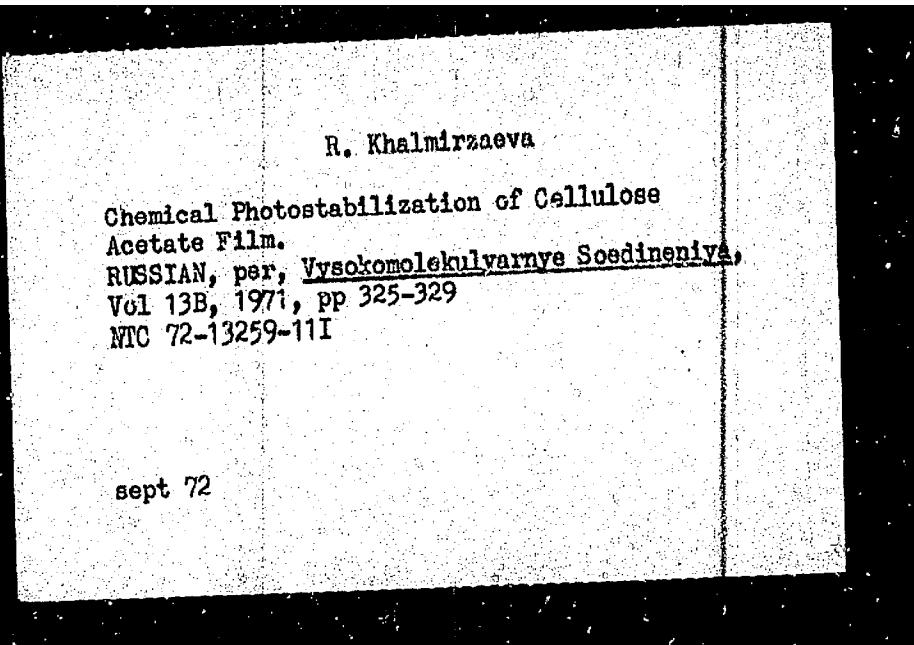
sept 72





About the Problem of Stress Relaxation in Polymers
Strained Under Forced Elasticity Conditions, by
S. A. Arzhakov,
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol 13B, 1971, pp 318-319.
NTC 72-14327-111

Jan 73



Polyurethanes Based on Sulpholanil-
Containing Oligoesters, by
S. I. Omelchenko.
RUSSIAN, per, Vysokomolekulyarnaya
Soedineniya, Vol 13B, No 6, 1971,
pp 438-441
NTC 72-12184-11I

July 72

Thermal Structuration of Unsaturated Polyesters
by S. V. Vinogradova, V. V. Korshak, et al.
5 pp.
RUSSIAN, per, Vyokomolekulyarnyye Soyedineniya.
Kratkiye Soobshcheniya. Seriya B, No 1, 1967,
pp 31-33.
AIR/FTD/111-23-333-68

sci/chemistry
may 69

380,110

New Ferrocene-Containing Polymers, by
T. A. Sokolinskaya, T. P. Vishnyakova, et al.
8 pp.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Seriya B. Kratkiye Soobschcheniya, Vol 8, No 3,
1967, pp 237-240.
AIP/FED/IT-23-1371-68

sci/chemistry
nov 69

397,068

Heat Capacity of Amorphous and Crystalline
Polyethylene Terephthalate at Low Temperatures,
by Ye. Yu. Roinishvili, M.N. Tavkhelidze, and
V. B. Akopyan.
RUSSIAN, per, Vysokomolekulyarnye Soyedineniya.
Seriya B. Kratkiye Soobshcheniya, Vol 9, No 4,
1967, pp 254-256.
FBD-S-286

FID Special 257-68

574,220

Jan 69

Degradation of Polymer Chains During an Induction Period of Inhibited Oxidation, by
B. A. Gromov, V. B. Miller, et al. 6 pp.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya.
seriya B. Kratkiye Soobshcheniya, Vol 9, No 5,
1967, pp 352-355.

ALR/FTD/HI-233961-68
23-961-68

sci/chemistry

Fluorinated Polybenzimidazoles. II, by
R. M. Gitina, I. Ye. Kardash.
RUSSIAN, pex, Vysokomolekulyarnyye Soyed-
ineniya. Kratkiye Soobshcheniya, Seriya B,
Vol 9, No 6, 1967, pp 447-452.
AIR/FTD/HT-23-381-68

Sci-Chem
Apr 69

379,566

On the Synthesis of High-Molecular Fluorinated
Polyheterocycles, by Ya. I. Zaytseva, R. M. Gitina,
et al. 3 pp.
RUSSIAN, per, Vysokomolekulyamye Soyedineniya.
Zratchiye Sodoshcheniya. Seriya B, Vol 9, No 7,
1967, pp 498-499.
AIR/PTD/AP-23-326-68

sci/chemistry
mar 70

402,003 803

Studying the Adduct of Dehydrated Polyvinyl Alcohol
Fiber with Maleic Anhydride, by Ye. Ya. Danilova,
Yu. K. Kirilenko.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya
Seriya B. Kratkiye Soobshcheniya, Vol 9, No 8,
1967, pp 615-617.
FTD-S-159 15 4 C S
154-68

Nov 68

353,555

Infrared Spectra and Structure of Linear and Reticular Polydioxolanes, by V. P. Roshchupkin, B. V. Ozerkovskiy.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Seriya B. Kratkiye Soobshcheniya, Vol 9, No 9,

1967, pp 723-726.

FTD-S-158 1573 - L.S.

153-68

Nov 68

353,557

Optical Anisotropy of Molecules of Linear
Methylphenylsiloxane Polymers, by V. N. Tsvetkov
and K. A. Andrianov.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya.
Seriya B. Kratkiye Soobshcheniya, Vol 9, No 12,
1967, pp 893-896.
FID-S-329

770 Juncal 324-68

Jan 69

374,347

Structure of Polymer Films Formed From Hexamethyldisiloxane on a Solid Surface During Glow Discharge,
by V. V. Tkachuk, V. M. Kolotyrkin.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Seriya B. Kratkiye Soobshcheniya, Vol 10, No 1,
1968, pp 24-26.
FID-S-242

77D Appeal 324-68

Jan 69

374,204

Crystallization of Cellulose Acetate
Sorbates, by F. A. Akhmedov, G. Sh. Talipov.
RUSSIAN, per, Vysokomekulyarnyye Soyedineniya.
Vol 10, No 1, 1968, pp 60-63.

FTD-S-334

FID Special 351-68

Feb 69

374,436

Anomalous Viscoelastic Properties of
Polytrifluorichloroethylene in a Low
Temperature Area, by I. I. Perepechko.
RUSSIAN, per, Vysokomolekulyarnyye Sved-
eniya, Seriya B. Kratkiye Soobshcheniya,
Vol 10, No 3, 1968, pp 148-149.

FTD-S-396

47D Appendix III-6-9

Mar 69

376,312

Polymerization of Acrylamide Under the Influence
of Organometallic Compounds and Their Complexes
With Titanium Tetrachloride, by G.M. Chetyrkina,
I. L. Artamonova, K.K. Kal'nin'sh, and A.V.
Sidorovich.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya
Seriya B. Kratkiye Soobshcheniya, Vol 10, No 3
1968, p. 150.

FID-S-299

352
ITD, Special 345-68

Feb 69

374,270

On the Theory of Friction of Elastomers,
by K. K. Ostroyko.
RUSSIAN, per, Vysokomolekulyarnyye Soyed-
eniya, Seriya B. Kratkiye Soobshcheniya,
Vol 10, No 4, 1968, pp 285-287.

FTD-S-395

FTD Special 110-64

376,311

Mar 69

Effect of Polarity of the Medium on
Specific Radical Reactivity of Poly-
conjugate Compounds, by A. A. Berlin.
RUSSIAN, per, Vysokomolekulyarnyye Soz-
edineniya, Seriya B. Kratkiye Soobshch,
No 5, 1968, pp 366-370.

FTD-S-425

FTD Special 77-69

Mar 69

377,236

New Way of Increasing the Thermal Stability of
Polyurethanes, by B. F. Malichenko, et al. 2 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soedineniya,
Kratkiye Soobshcheniya, Seriya B, Vol 10, No 6,
1968, p 395
FTD S-619

FTP, Special 266 69

june 69

383,023

Studying the Rotations of Molecular Groups in
Methylacrylate and Vinylacetate Polymers by the
Method of Infrared Spectroscopy, by
O. N. Trapeznikova, et al. 6 pp.
RUSSIAN, per, Vysokomolekulyarnyye Sovedomeniya.
Seriya B. Kratiye Sodshcheniya, Vol 10, No 6,
1968, pp 441-444

FDD-S-637

170 *Final A7 285-69*

june 69

384,144

Oligoester Urethanes with Disubstituted Nitrogen
Atoms in the Chains, by V. F. Matyushov, et al.

2 pp.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya.
Seriya B. Kratkiye Sodshcheniya, Vol 10, No 7,

1968, pp 478.

FID-S-673

72D 315-69 *[Signature]*

july 69

384,244

New Syntheses of Polybenzimidazoles, by
V. V. Korshak, S. V. Vinogradova. 3 pp.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Seriya B. Kratkiye Soobshcheniya, Vol 10, No 7,
1968, pp 481-482.
AER/ETD/AT-23-279-69

sci./ chemistry
sept 69

390,974

Poly-(Acrylene-Bis-Benzimidazole) From
Dianhydride of Perylene-3,4,9,10-Tetra-
carboxylic Acid and 3,3-Diaminobenzidine,
by B. I. Liogon'kiy.
RUSSIAN, per, Vysokomolokulyarnyye Soyu
edineniya, Seriya B. Kratkiye Soobshch.
No 8, 1968, pp 574-578.
FTD-S-422

fTD April 76-69

Mar 69

377,235

Investigation of the Thermal Oxidation Degradation of Polytrifluoroethylene IR-Spectroscopy,
by Ts. S. Dunayevskaya, L. I. Tarutina. 5 pp.
RUSSIAN, per, Vysokomolekulye Soedineniya,
Seriya B. Kratkiye Soedineniya, Vol 10, No 11,
pp 868-869.
AIR/FTD/IR-23-431-69

sci/materials
rar 70

404,412

Copolymerization of Esters of Bis(Allyloxymethyl) Phosphinic Acid with Methylmethacrylate, by L. A. Yeliseyeva, I. M. Sharmergorn, et al. 5 pp. RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, Seriya B. Kratkiye Soobshcheniya, Vol 11, No 2, 1969, pp 104-106.
AIR/FTD/HT-23-482-70

Sci-Chem
Dec 70

Investigation of the Kinetics of the -C≡N Bond Transformation in Polyacrylonitrile by IR Absorption Spectra, by N. A. Kubasova, M. M. Kusakov, 5 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Seriya B. Kratkiye Soobshcheniya, Vol 11, No 3,
1969, pp 193-196.
AIR/PTD/HT-23-155-70

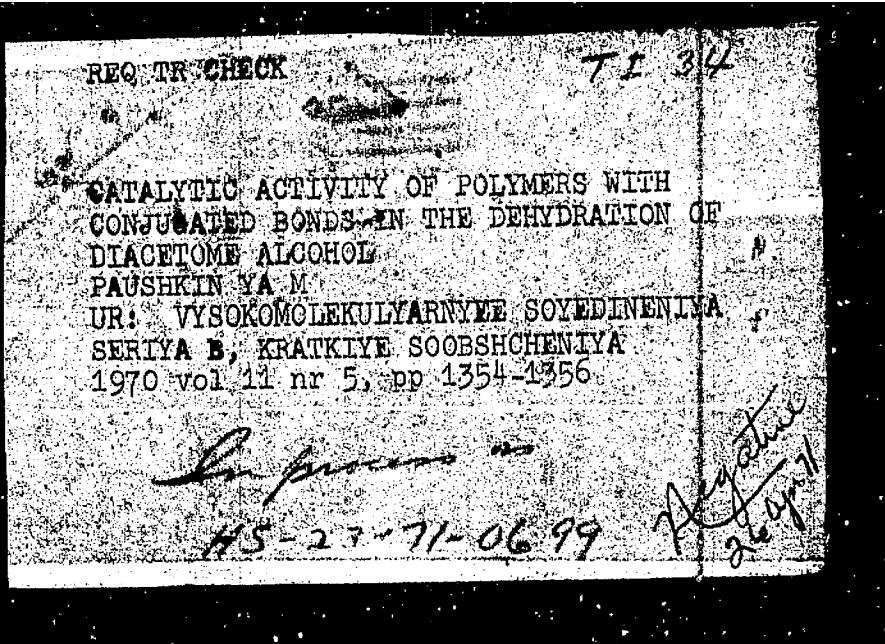
Sci-Phys
June 70

The Dielectric Properties of Polymer Materials
During Pulsed γ -Neutron Irradiation, by
V.V. Zubov, V. F. Khokhryakov, et al. 2 pp.
RUSSIAN, per, Vysskomolekulyarnyye Soyedineniya
Seriya B, Kratkiye Soobshcheniya, Vol 11, No 5,
1969, pp 324-325.
FTD RT 23-191-70

Sci-Phys
Sep 70

Mechanism of the Antioxidative Effect of the
2,4,6-Tri-Tert-Butylphenyl Ester of Pyrocatechin-
phosphorous Acid, by R. P. Yurevichene and
Yu. A. Shlyapnikow. 6 pp.
RUSSIAN, per, Vysokomolekulyarnyye Soedineniya.
Kratkiye Soobshcheniya. Seriya B, Vol 11, No 6,
1969, pp 444-447.
AIR/FTD/MT-23-359-70

sci
nov 70



REQ TR CHECK

204-39

TDS

ENGLISH TITLE UNKNOWN
MATVEYEV V. K.; VAYBERG S. E.
UR: VYSOKOMOLEKULARNOYE SOEDINENIYA.
KRATKIYE SOOBSHCHENIYA. SERIYA B
1970, vol 12, nr 1, pp 31-35

In process as

MT-24-71-1224 *med*
2 Apr 91

TR CHECK

4-8-33

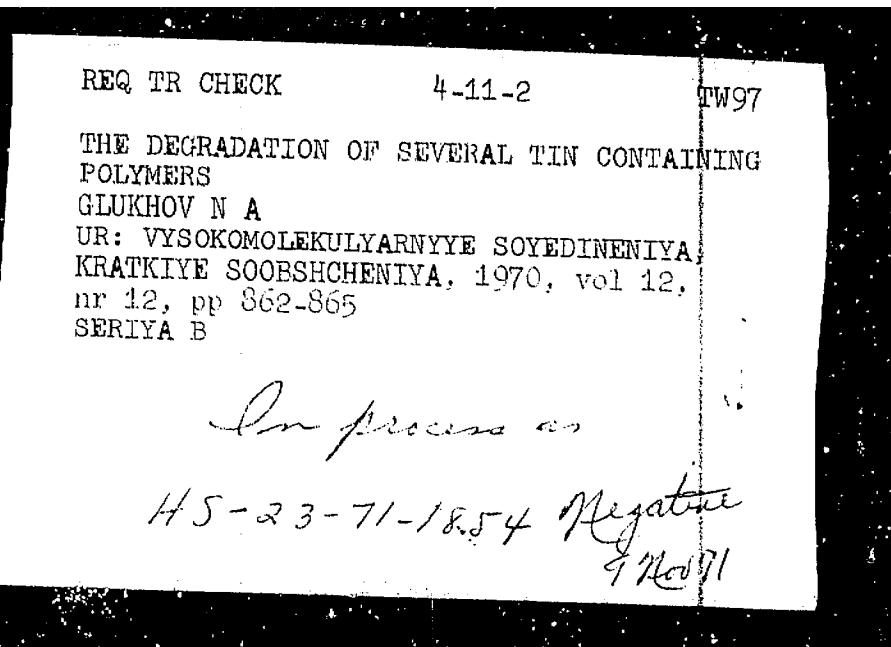
T071

CHEMICAL INTERACTION OF BUTADIENE NITRILE
RUBBER AND CHLORINATED POLY(VINYL CHLORIDE)
STUDIED BY AN INFRARED SPECTROSCOPIC METHOD
PLTYEV T. N.
UR: VYSOKOMOLEKULYARNYYE SOYEDINENIYA
SERIYA B. KRATKIYE SOOBSHCHENIYA
1970, vol 12, nr 11, pp 799-802

In process as

145-72-23-0501

Urgent
10/9/71



Investigation of the Process of Formation of Crosslinked Polyurethane on the Basis of Oligomers in the One Stage Method, by A. Ye. Nesterov, 7 pp.

VYSOKOMOLEKULYARNYYE SOYEDINENIYA. SERIYA B. KRATKIYE SOOBSHCHENIYA, Vol 13, No 5, pp 346-349. /971
AIR/FTD/HT-23-1129-72

Feb 73

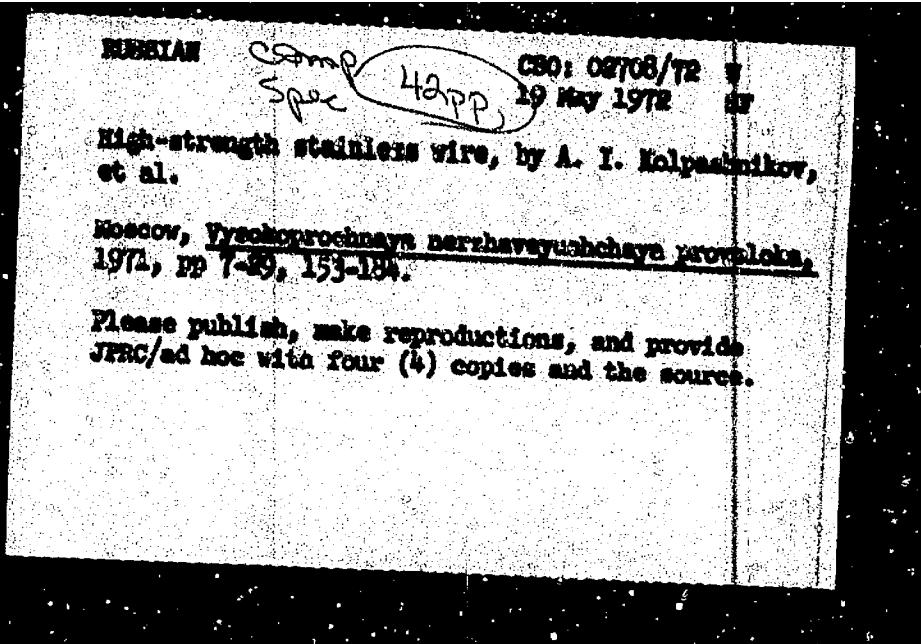
An Investigation of the Structure of Poly-Acrylonitrile
by a Method of Experimental Correlations Between the
IR-Spectroscopic and Strength Characteristics, by
I. B. Klimenko, 5 pp.
VYSOKOMOLEKULYARNYYE SOYEDINENIYA. SERIYA B. KRATKIE
SOOBSHCHENIYA, Vol 13, No 7, 1971, pp 547-549.
AIR/FTD/HT-23-1080-72

Jan 73

Heat Conductivity of Pure Oxide Ceramics, by
I. G. Budanov, D. N. Poluboyarinov. 16 pp.
RUSSIA, np, Vysokopevomnyye Materialy, 1966
pp 92-105.
ADW/MTD/MIL-23-1285-68

sci/physics
nov 69

397,060



High-Strength Austenitic Steels, by
E. V. Tridantsev, N. P. Talov, 105 pp.
RUSSIAN, bk, Vysokoprochnyye Austenitnyye Stali,
Moscow, 1969, 248 pp.
JPRS 52877

Apr 71

High-Strength Oriented Fiberglass. Vol 1 of 2,
by G. D. Andreyevskaya. 481 pp.
KIEVIAN, bk, Vysokoprochnyye Oryyentirovannyye
Stekloplastiki, 1966, pp 1-195.
AIR/MTD/AM-23-621-68 Vol 1 of 2

sci/ materials
nov 69

396,990

High-Strength Oriented Fiberglass. Vol 2 of 2,
by G. D. Andreyevskaya. 481 pp.
RESTAN, bk, Vysokoprochnye Oriyentirovannyye
Stekloplastiki, 1966, pp 197-481.
AIR/FTD/ITP-23-621-58 Vol 2 of 2

sci/materials
nov 69

396,991

Brief Summary of the Scientific and Scientific-Organizational Activity of the Polar Geophysical Institute (PGI) and Prospects of Future Research, by S. I. Isayev, 17 pp.
RUSSIAN, per. Vysokoskrotnyye Issledovaniya v Oblasti Geomagnetizma i Aeronomii, 1966, pp 5-18.

JPRS 40573

USSR
Sci-Ear Sci
Apr 67

319.690

Spatial Distribution of Sporadic E_s in the
Polar Cap, by E. V. Sukhorukova, 7 pp.
RUSSIAN, per, Vysokoshirotnyye Issledovaniya v
Oblasti Geomagnetizma i Aeronomii, 1966, pp. 52-
57.

JPRS 40573

USSR
Sci-Ear Sci
Apr 67

319,691

Soviet Research on Selection of Optimal
Working Communication Frequencies, by Yu. G.
Mizun, 11 pp.
RUSSIAN, symposium, Vysokochirotnyye Issledo-
vaniya v Oblasti Geomagnetizma i Aeronavii,
1966, pp. 102-111.
JPRS 39977

USSR
Sci-Communication-Navigation
Mar 67

319,465

High Speed Deformation and the Structure of Metals,
by G. N. Yepshteyn.
RUSSIAN, bk, Vysokoskorostnaya Deformatsiya i
Struktura Metallov, 1971, 197 pp.
*FSTC-HT-23-1041-72

Dec 71

The Problem of Determining the Actual Degree of Deformation and the Nature of Contact Friction in Upsetting R18 Steel Under Conditions of High Loading Rates, by P. A. Meshchanchuk, V. P. Sogrinshin. 11 pp.

RUSSIAN, per, Moscow, Vysokoskorostnaya Ob "yemnaya Shtampovka Protessy i Oborudovaniye, No 21, 1969, pp 85-92.

AIR/FTD-HC-23-347-71

Oct 71

High-Speed Gas-Lubricated Journal Bearings, by
A. N. Bragin, Ye. A. Panfilov. 87 pp.
RUSSIAN, bk, Vysokoskorostnyye Podshipniki
Skol'zheniya s Gazovoy Smazkoy, 1966, pp 1-71,
AIR/FTD/HC-23-606-69

Sci-Mech
Dec 70

High Temperature Materials, by Ye. N. Marmer,
O. S. Gurvich. 255 pp.
RUSSIAN, bk, Vysokotemperaturnye Materialy,
1967, pp 1-215.
AIR/FTD/MT-24-270-68

Sci-Materials
Nov 69

396,722

JPES CSO. 16192

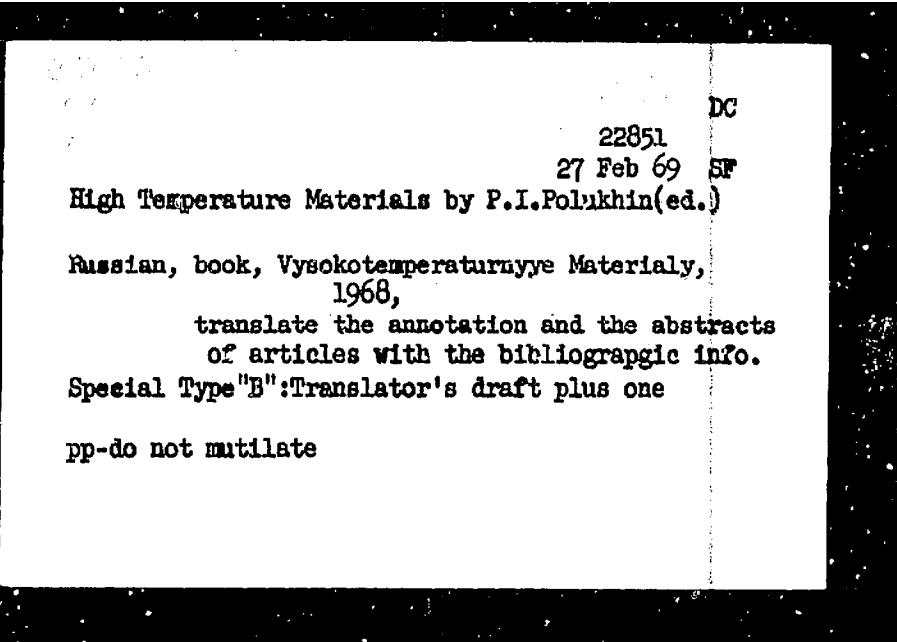
23 Aug 67

Selected Translation from High Temperature Materials,
by S. E. Werner, O. S. Service, L. V. Hall Sovv

Vysokotemperaturnye Materialy, Moscow, 1967, pp 30-
62, 16-97, 27-100, 37-130, 176-201

RUSSIAN
22/241- Metallurgy

Over Type 3 • Translation draft plus one, including
copy of all graphics. Please include bibliography
of all references cited



High-Temperature Nonmetallic Thermocouples
and Sheaths, by G. V. Samsonov, et al,
RUSSIAN, bk, Vysoko-Temperaturnyye Nemet-
allicheskiye Termopary i Nakonechniki,
1965, 180 pp.

*CB

Sci-Materials
Nov 66

Thermal Expansion of the Solid Solutions of
Refractory Metals in Groups IV, V, and VI of the
Periodic System, by K. S. Prodantseva, 9 pp.
RUSSIAN, bk, An UkrSSR, Institute Problem Materialo-
vedeniya. Vysokotemperaturnyye Neorganicheskiye
Soyedineniya, 1965, pp 41-47.
FTD-MT-24-1396-71

Aug 72

(AEC-tr-6873) HIGH TEMPERATURE INORGANIC COMPOUNDS. Samsonov, G. V. Translation of *Vysokotemperaturnye Neorganicheskie Soedineniya*, Izdatel'stvo Naukova Dumka, Kiev, 1965. 624p. (T'T-67-59068). Dep. NTIS.

chemistry (physical); materials; metallurgy; physics 07D, i1, 11F, 20

MN-2 P NSA

Temperature Dependence of Thermoelectromotive Force and Specific Electrical Resistance of Titanium, Vanadium, Chromium, and Their Dioxides, Carbides, and Nitrides, by S. N. L'vov,
V. F. Nemchenko.
RUSSIAN, per, Vysokotemperaturnye Neorganicheskie Soedineniya, 1965.
AEC LA-tr-67-17

Sci - Eat
Sept 67

342,295

Measurement of Thermal Conductivity and Electrical
Resistance of ZrC, HfC, NbC, and TaC at High
Temperatures, by Yu. B. Paderno, I. G. Barantseva,
V. L. Yupka,
RUSSIAN, per, Vysokotemperaturnye Neorganicheskie
Soedineniya, 1965.
AEC LA-tr-57-18

Sci - Chem
Oct 67

342,296

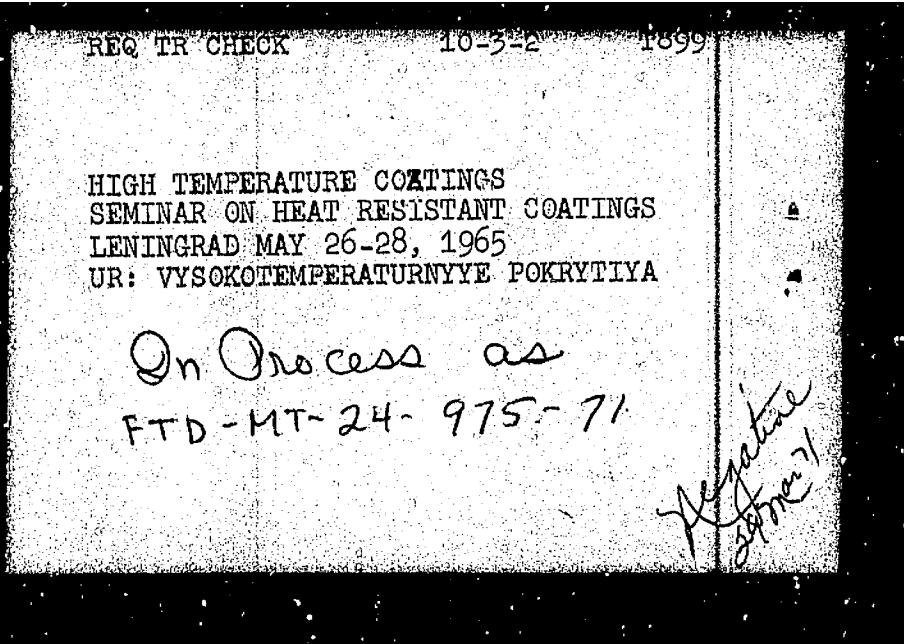
High Temperature Expansion Coefficients for
ZrC Ufc Nbc and Tac Yu, by Yu. D. Paderno
and Andreyeva Dudnik, et al,
RUSSIAN, per, Vysokotemperaturnye Neorgan-
icheskie Soedinenia, 1965, pp 293-296.
*AEC LASL 115-67

Sci-Phys
Oct 66

Measurement of the Coefficients of Thermal
Expansion of ZrC, HfC, NbC, and TaC at
High Temperatures, by Yu. B. Paderno, E. M.
Dudnik, T. V. Andreyevna, I. G. Barantseva,
V. L. Yupko, 5 pp.
RUSSIAN, per, Vysokotemperaturnyye Neorgan-
icheskiye Soyedineniya, Akad Nauk UkrSSR.
Institut Problem Materialovedeniya, 1965,
pp 293-296. P911222167
AEC Tr-6867

331,137

Sci - Physics
Jul 67



Solid Phase Formation upon a Spherical Surface,
by S. A. Klevtsur, T. Kh. Sedel'nikov, N. S.
Gorbunov, N. N. Repnikov, P. G. Tsyba, M. M.
Belousov and V. N. Mitskevich, 7 pp.
RUSSIAN, per, Vysokotemperaturnyye Pokrytiya,
1967, pp. 44-48.
JPRS 41067

USSR
Sci-Phys
June 67

323,673

The Use of Weak Solutions in Liquid Metal as
Analog of Vapor Phase for Application of Protective
Layers on Easily Corrodable Materials, by
B. M. Vasyutinskiy, V. S. Kegan, 9 pp.
RUSSIAN, rpt, Vysokotemperaturnyy Pokrytiya,
Seminar po Zharostoykim Pokrytiyam, Leningrad,
26-28 May 1965, 1967, pp 119-125.
AIR/FTD/MT-24-328-69

Sci/Mater
May 70

407,732

Production of Heat-Resistant Coatings of Titanium
and Molybdenum in Aluminum Base Melts, by
P. F. Shulenok. 12 pp.

RUSSIAN, rpt, Vysokotemperaturnyye Pokrytiya
Seminar po Zharostoykim Pokrytiyam, 1967,
pp 126-134.

AIR/FID/MT-23-113-70

Sci-Mat
Sep 70

Formation of Carbide Coatings on Graphite in
Liquid Metals and Alloys, by N. S. Gorbunov,
et al., 6 pp.
RUSSIAN, per, Vysokotemperaturnyye Pokrytiya,
Trudy Seminara po Zharostoykim Pokrytiyam,
1967, pp 140-145.
ACSI J-4565
ID 2204011768

Sci-Mat
May 68

356.247

Coatings of High-Melting Compounds on Graphite,
by A. L. Burykina and T. M. Yevtushok, 9 pp.
RUSSIAN, per, Vysokotemperaturnyye Pokrytiya,
1967, pp. 145-153.
JPRS 41067

USSR
Sci-Mech
June 67

323,675

Gas Flame Spraying of ZrO₂ and Al₂O₃ Coatings
With Aluminum Phosphate Additions, by
A. S. Frolov. 13 pp.
RUSSIAN, book, Vysokotemperaturnyye Pokrytiya.
Trudy Seminara po Zhарoskoykim Pokrytiyam, 1967,
pp 153-161.
NASA TT-F-13555

July 71

RED IR CHECK

1-4-16

TBSQ

HIGH VILLAGE INSULATION OF LINES AND
EQUIPMENT
VILNIUS N. I.
IN: VYSOKOYOL'NAYA IZOLYACIYA LINII I
APPARAOV
1065, 107258, 10749, 61-70, 71-78,
83-95, 96-101, 102-105, 116-147, 152-157,
161-172.

High Speed Deformation and the Structure of
Metals, 229 pp.
RUSSIAN. bk. Vysokoskorostnaya Deformatsiya
i Struktura Metallon,
ACSI-K-1583
FSTC-HT-23-1041-72

June 72

High Altitude Equipment for Civil Aviation Aircraft, by N. G. Grishanov, 268 pp.
RUSSIAN, bk, Vysotnoye Oborudovaniye Samoletov
Grazhdanskoy Aviatsii, Moscow, 264 pp.
JPRS 55454

Mar 72

Higher Mathematics for Beginners and its Application to Physics, by Ya. B. Zel'dovich.
RUSSIAN, bk, Vysshaya Matematika dlya Nachinayushchikov i ee Prilozheniya 1 Fizike, Third ed.
enlarged, 1965.
PLENUM PRESS

Sci/Mathem
Feb 68

345,978

Fifty Years of Higher Education in the USSR,
by V. P. Yalyutin, 6 pp.
RUSSIAN, bk, Vysshaya Shkola, 1967, pp 7-11.
JPRS 46,105

USSR
Educ
Aug 68

362,815

Development of the Structure of Higher Education,
by V. P. Yelyutin, 8 pp.
RUSSIAN, bk, Vysshaya Shkola, 1967, pp 203-211.
JPRS 46,105

USSR
Educ
Aug 68

362,816

High-Speed Pulsed Deformation as a Method of Relieving
Stresses and Eliminating Deformations, by
Y. M. Sagalevich, 8 pp.

RUSSIAN, per, Vyssheye Tekhnicheskoye Uchilishche
Ostatochnyye Napryazheniya i Prochnost Svarnykh
Soyedineniy i Konstruktsiy, No 133, 1969,
pp 105-110.

FTD-MT-24-1171-71

Aug 72